## Abstract

invention relates method for storing The to а ecologically dangerous substances underground and to an 5 for accomplishing the method. apparatus substances are preferably radioactive waste, spent fuel elements, nuclear warheads, weapons-grade uranium and plutonium in all forms as well as chemical weapons and many other toxic substances, including biologically Moreover, the invention can be 10 dangerous substances. used for storing many other, specific storage objects, preferably particularly valuable metals, minerals and jewellery produced from same, as well as valuable papers, banknotes, archive contents and historical documents which are to be stored for a long time, etc. 15 Storage takes place in a storage site having deep underground boreholes, by means of a special gashydrodynamic system and by means of remote control of all the necessary deep loading and unloading operations using conventional mechanical loading 20 without unloading devices such as shaft elevators, lifts etc. which substantially restrict the range of application of underground storage sites. Furthermore, unauthorised access to the storage objects is excluded and nuclear and radiation safety is quaranteed in the 25 storage of, for example, radioactive waste, spent fuel elements and also weapons-grade uranium and plutonium as is the safety of stocks of chemical weapons and/or their dangerous components as well as of many other substances, and the fire safety 30 underground storage zone and the reduction of storage costs are also quaranteed.